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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 3

Complete if Known

Application Number	--
Filing Date	--
First Named Inventor	Greenberg
Group Art Unit	--
Examiner Name	--
Attorney Docket Number	S100-DIV3

915330/01

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.†	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code* (if known)			
NO		4,717,581		Robblee	1/5/88	
		2,760,483		Tassieker	8/28/56	
		3,699,970		Brindley, et al.	10/24/72	
		4,041,955		Kelly, et al.	8/16/77	
		4,628,933		Michelson	12/16/86	
		4,666,765		Caldwell, et al.	5/19/87	
		4,721,551		Byers, et al.	1/26/88	
		4,819,647		Byers, et al.	4/11/89	
		4,837,049		Byers, et al.	6/6/89	
		4,969,468		Byers, et al.	11/13/90	
		4,991,582		Byers, et al.	2/12/91	
		5,016,633		Chow	5/21/91	
		5,109,844		de Juan, Jr. et al.	5/5/92	
		5,215,088		Normann, et al.	6/1/93	
		5,314,458		Najafi, et al.	5/24/94	
		5,397,350		Chow, et al.	3/14/95	
		5,556,423		Chow, et al.	9/17/96	
		5,569,307		Schulman, et al.	10/29/96	
		5,601,617		Loeb, et al.	2/11/97	
		5,731,359		Suzuki, et al.	5/12/98	

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FOREIGN PATENT DOCUMENTS

[illegible]

Examiner
Signature

Francis P. Crozier

Date
Considered

2-14-07

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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Application Number	--	
			Filing Date	--	
			First Named Inventor	Greenberg	
			Group Art Unit	--	
			Examiner Name	--	
Sheet	2	of	3	Attorney Docket Number	S100-DIV3

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
JPO	✓	"Hardware Architecture of a Neural Net Based Retina Implant for Patients Suffering from Retinitis Pigmentosa" M Schwarz, et al. 1996 IEEE International Conference on Neural Networks	
JPO	✓	"Development of a Silicon Retinal Implant" J. Mann, et al. Abstract appeared in Investigative Ophthalmology and Visual Science, col. 35, No. 4, April 1994, p. 1380.	
JPO		"Novel Thin Film Titanium Nitride Micro-Electrodes with Excellent Charge Transfer Capability for Cell Stimulation and Sensing Applications", M. Janders et al. Proceeding of the 18th Annual International Conference of the IEEE Engineering in Medicine and Biology Society, paper 1.6.1, Amsterdam 1996	
JPO	✓	"Effects of Electrical Stimulation of the Visual Cortex" G.S. Brindly, Human Neurobiology, Spring 1982.	
JPO		"Current Density Profiles of Surface Mounted and Recessed Electrodes for Neural Prostheses" Rubinstein, et al. IEEE Transactions on Biomedical Engineering, November, 1987.	
JPO	✓	"Toward an Artificial Eye" IEEE Spectrum, May 1996.	
JPO		"Reduction of Electrical Interaction in Auditory Prostheses", Brent Townshend and Robert L. White, IEEE Transactions on Biomedical Engineering Vol. BME-34, No. 11, November 1987.	
JPO		"A Method of Determining the Driving Currents for Focused Stimulation in the Cochlea", Kristin L. Rodenhiser and Francis A. Spelman, IEEE Transactions on Biomedical Engineering, Vol. 42, No. 4, April 1995.	
JPO	✓	"Theory and Design of Capacitor Electrodes for Chronic Stimulation", David L. Guyton and F. Terry Hambrecht, Medical and Biological Engineering, September 1974.	
JPO	✓	"Protective Coating of Integrated Circuits for Operation in Corrosive Environments" E.J. Charlson et al. Materials Research Society Proceedings Vol. 154, 1988.	
 			

Examiner Signature	<i>Frances P. Oropesa</i>	Date Considered	2-14-07
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